

Set Items Description

? e au=karaolis, d?

Ref	Items	Index-term
E1	1	AU=KARAOLIS, D. K. R
E2	1	AU=KARAOLIS, D. K. R
E3	0	*AU=KARAOLIS, D?
E4	2	AU=KARAOLIS, DAVI D
E5	10	AU=KARAOLIS, DAVI D K. R
E6	33	AU=KARAOLIS, DAVI D K. R
E7	2	AU=KARAOLIS, DAVI D K. R
E8	8	AU=KARAOLIS, DAVI D KR
E9	2	AU=KARAOLIS, DK
E10	8	AU=KARAOLIS, DK*
E11	14	AU=KARAOLIS, DKR
E12	6	AU=KARAOLIS, DKR*

Enter P or PAGE for more

? s e1-e12

1	AU=KARAOLIS, D. K. R
1	AU=KARAOLIS, D. K. R
0	AU=KARAOLIS, D?
2	AU=KARAOLIS, DAVI D
10	AU=KARAOLIS, DAVI D K. R
33	AU=KARAOLIS, DAVI D K. R
2	AU=KARAOLIS, DAVI D K. R
8	AU=KARAOLIS, DAVI D KR
2	AU=KARAOLIS, DK
8	AU=KARAOLIS, DK*
14	AU=KARAOLIS, DKR
6	AU=KARAOLIS, DKR*

S1 86 E1-E12

? s s1 and dinucleotide

86	S1
209894	DI NUCLEOTIDE
S2 12	S1 AND DI NUCLEOTIDE

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S3 8 RD (unique items)

? t s3/3, k/1-8

>>>KWC option is not available in file(s): 399

3/3, K/1 (Item 1 from file: 24)  
 DI ALCO (R) File 24: CSA Life Sciences Abstracts  
 (c) 2009 CSA. All rights reserved.

0003084006 IP ACCESSION NO: 7613283  
 Cyclic Di-GMP Stimulates Protective Innate Immunity in Bacterial Pneumonia

Karaolis, David KR; Newstead, Michael W; Zeng, Xianying; Hyodo, Mamoru; Hayakawa, Yoshihiro; Bhan, Urvasi; Liang, Hallie; Standiford, Theodore J

Intragenics Research Institute, Havre de Grace, Maryland 21078. Karagen Pharmaceuticals, Baltimore, Maryland 21210. Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, Michigan 48109. Graduate School of Information Science/Human Informatics, Nagoya University, Nagoya, Japan

Untitled

Infection and Immunity, v 75, n 10, p 4942-4950, October 2007  
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0019-9567  
ELECTRONIC ISSN: 1098-5522  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Karaolis, David KR; Newstead, Michael W; Zeng, Xiyaning; Hyodo,  
Mamoru; Hayakawa, Yoshihiro; Bhan, Urvashi; Liang, Hallie...

ABSTRACT:

... immunity in the lung and protects mice against bacterial invasion. We propose that the cyclic dinucleotide c-di-GMP may be used clinically as an effective immunomodulator, immune enhancer, and vaccine...

3/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2009 CSA. All rights reserved.

0002663119 IP ACCESSION NO: 6164268  
c-di-GMP (3'-5'-Cyclic Diguanlylic Acid) Inhibits Staphylococcus aureus  
Cell-Cell Interactions and Biofilm Formation

Karaolis, David KR; Rashid, Mohammed H; Chythanya, Rajanna; Luo,  
Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro  
Department of Epidemiology and Preventive Medicine, Department of Medicine,  
University of Maryland School of Medicine, Baltimore, Maryland. Graduate  
School of Information Science/Human Informatics and CREST/JST, Nagoya  
University, Nagoya, Japan

Antimicrobial Agents & Chemotherapy, v 49, n 3, p 1029-1038, March 2005  
PUBLICATION DATE: 2005

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0066-4804  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Industrial & Applied  
Microbiology Abstracts (Microbiology A)

Karaolis, David KR; Rashid, Mohammed H; Chythanya, Rajanna; Luo,  
Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

ABSTRACT:

... the scientific, medical, and agriculture communities. We recently proposed that modulating levels of the cyclic dinucleotide signaling molecule, c-di-GMP (cyclic diguanlylate [3',5'-cyclic diguanlylic acid], cGpGp), has utility...

Untitled

3/3, K/3 (Item 3 from file: 24)  
DI ALCOG R File 24: CSA Life Sciences Abstracts  
(c) 2009 CSA. All rts. reserv.

0002414401 IP ACCESSION NO: 5770748  
Identification of genes involved in the switch between the smooth and  
rugose phenotypes of *Vibrio cholerae*

Rashid, MH; Rajanna, C; Ali, A; Karaolis, DK\*  
Department of Epidemiology and Preventive Medicine, University of Maryland  
School of Medicine, Baltimore, MD 21201, USA,  
[mailto:karaolis@maryland.edu]

FEMS Microbiology Letters, v 227, n 1, p 113-119, October 10, 2003  
PUBLICATION DATE: 2003

PUBLISHER: Federation of European Microbiological Societies

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0378-1097

FILE SEGMENT: Genetics Abstracts; Bacteriology Abstracts (Microbiology B)  
Rashid, MH; Rajanna, C; Ali, A; Karaolis, DK\*

ABSTRACT:

... for the rugose phenotype, EPS, biofilm formation and motility. We  
propose that modulation of cyclic dinucleotide (e.g. c-di-GMP) levels  
might have application in regulating various phenotypes of prokaryotes...

3/3, K/4 (Item 1 from file: 393)  
DI ALCOG R File 393: Beilstein Database - Abstracts  
(c) 2008 Beilstein GmbH. All rts. reserv.

Beilstein Abstract Id: 6552279

Title: c-di-GMP (3'-5'-Cyclic Diguanilyl Acid) Inhibits *Staphylococcus*  
*aureus* Cell-Cell Interactions and Biofilm Formation

Document Type: Journal Record Type: Abstract

Author: Karaolis, David K. R.; Rashid, Mohammed H.; Chythanya,  
Rajanna; Luo, Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-3, 1029 -  
1038 CODEN: AMACQ Language: English

Abstract Language: English

Author: Karaolis, David K. R.; Rashid, Mohammed H.; Chythanya,  
Rajanna; Luo, Wensheng; Hyodo, Mamoru; Hayakawa, Yoshihiro

... Abstract: the scientific, medical, and agriculture communities. We  
recently proposed that modulating levels of the cyclic  
dinucleotide signaling molecule, c-di-GMP (cyclic  
diguanylate 3',5'-cyclic diguanilyl acid, cGpGp), has utility  
...

3/3, K/5 (Item 2 from file: 393)  
DI ALCOG R File 393: Beilstein Database - Abstracts  
(c) 2008 Beilstein GmbH. All rts. reserv.

Beilstein Abstract Id: 6521205

Untitled

Title: 3',5'-Cyclic Diguanlylic Acid Reduces the Virulence of  
 Biofilm-Forming Staphylococcus aureus Strains in a Mouse Model  
 of Mastitis Infection

Document Type: Journal Record Type: Abstract

Author: Brouillette, Eric; Hyodo, Mamoru; Hayakawa, Yoshihiro;  
 Karaolis, David K. R.; Malouin, Francois

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-8, 3109 -  
 3113 CODEN: AMACQ Language: English

Abstract Language: English

Author: Brouillette, Eric; Hyodo, Mamoru; Hayakawa, Yoshihiro;  
 Karaolis, David K. R.; Malouin, Francois

Abstract: The cyclic dinucleotide 3',5'-cyclic diguanlylic acid  
 (c-di-GMP) is a naturally occurring small molecule that...

3/3, K/6 (Item 1 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rights reserved.

148024432 CA: 148(2)24432t PATENT  
 Method for stimulating the immune, inflammatory or neuroprotective  
 response  
 INVENTOR(AUTHOR): Karaolis, David K. R.  
 LOCATION: USA  
 PATENT: U.S. Pat. Appl. Publ.; US 20070281897 A1 DATE: 20071206  
 APPLICATION: US 2007669006 (20070130) \*US 2004PV552721 (20040315) \*US  
 2004PV563692 (20040420) \*US 200579886 (20050315)  
 PAGES: 60pp., Cont.-in-part of U.S. Ser. No. 79,886. CODEN: USXXCO  
 LANGUAGE: English  
 PATENT CLASSIFICATIONS:  
 CLASS: 514044000  
 IPCR 8 + Level Value Position Status Version Action Source Office:  
 A61K-0031/7076 A I F B 20060101 20071206 H US  
 A61P-0031/00 A I L B 20060101 20071206 H US  
 A61P-0037/00 A I L B 20060101 20071206 H US

3/3, K/7 (Item 2 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rights reserved.

143279369 CA: 143(16)279369s PATENT  
 Method using cyclic di-GMP or cyclic dinucleotide analog thereof for  
 inhibiting cancer cell proliferation or increasing cancer cell apoptosis  
 INVENTOR(AUTHOR): Karaolis, David K. R.; Aufman, Jean-Pierre  
 LOCATION: USA  
 PATENT: U.S. Pat. Appl. Publ.; US 20050203051 A1 DATE: 20050915  
 APPLICATION: US 200579779 (20050315) \*US 2004PV552721 (20040315) \*US  
 2004PV563692 (20040420)  
 PAGES: 22 pp. CODEN: USXXCO LANGUAGE: English  
 PATENT CLASSIFICATIONS:  
 CLASS: 514045000; A61K-0031/7076A

3/3, K/8 (Item 3 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rights reserved.

142367640 CA: 142(20)367640h PATENT  
 Method for attenuating virulence of microbial pathogens and inhibiting  
 microbial biofilm formation by using c-di-GMP and cyclic dinucleotide  
 analogs

Untitled

INVENTOR(AUTHOR): Karaolis, David K. R.

LOCATION: USA

ASSIGNEE: University of Maryland

PATENT: PCT International ; WO 200530186 A2 DATE: 20050407

APPLICATION: WO 2004US23498 (20040722) \*US 2003PV490029 (20030728)

PAGES: 118 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-031/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; GR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MY; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG